VIA HAND DELIVERY NOVEMBER 19, 2001

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Yu et al.

Application No.: Unassigned

Filed: Herewith

Title: Colon Specific Genes and Proteins

Attorney Docket No.: PF160D2

Art Unit: Unassigned

Examiner: Unassigned

SUBMISSION OF SUBSTITUTE/FORMAL DRAWINGS

Commissioner For Patents
Washington, D.C. 20231

ATTN: Official Draftsperson

Sir:

Applicants submit herewith Formal Drawings of Figures 1, 2A-2B, 3A-3B, 4, 5A-5B, 6-8, 9A-9B, and 10-13 (17 sheets) to replace the informal drawings of Figures 1-13 (13 sheets) as originally filed.

No fee is believed due for this submission. In the event that a fee is required in connection with this submission, please charge the required fee to Deposit Account No. 08-3425.

Respectfully submitted,

Date: November 19, 2001

Jonathan L. Klein Reg. No. 41,119
Attorney for Applicants

Human Genome Sciences, Inc.
9410 Key West Avenue
Rockville, MD 20850
Phone: (301) 251-6015

JLK/SA/ba

11/19/01 11132 U.S. PTO

PTO/SB/05 (11-00)

Approved for use through 10/31/2002 OMB 0651-0032
Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Please type a sign (+) inside this box → ☐

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UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR ' 1.53(b))

Attorney Docket No.	PF160D2
First Inventor	Yu et al.
Title	Colon Specific Genes and Proteins
Express Mail Label No.	

jc987 U.S. PTO 09/988292 11/19/01

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

1. ☒ Fee Transmittal Form (*e.g.*, PTO/SB/17) *(Submit an original, and a duplicate for fee processing)*
2. ☐ Applicant claims small entity status. See 37 CFR 1.27.
3. ☒ Specification [Total Pages : 77] *(preferred arrangement set forth below)*
 - Descriptive title of the Invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 13]
5. ☒ Oath or Declaration [Total Pages 2]
 a. ☐ Newly executed (original or copy)
 b. ☒ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional with Box 17 completed)*
 i. ☐ DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR ' ' 1.63(d)(2) and 1.33(b).
6. ☒ Application Data Sheet. See 37 CFR 1.76. [3 pages]
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*
8. Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
 a. ☐ Computer Readable Form (CRF)
 b. Specification Sequence Listing on:
 i. ☐ CD-ROM or CD-R (2 copies); or
 ii. ☒ paper [Total Pages : 24]
 c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s)) from prior Appl. Serial No. 08,469,667 (4 pp.)
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement/ Form PTO/SB/08 ☐ Copies of Citations
13. ☒ Preliminary Amendment and Version With Markings to Show Changes Made
14. ☒ Return Receipt Postcard (MPEP 503) (should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☒ Other: (a) Request Under 37 C.F.R. §1.821(e); (b) Submission of Substitute/Formal Drawings and 17 sheets of Figs. 1-13; and (c) Power of Attorney By Assignee of Entire Interest/ Revocation of Prior Power of Attorney, executed 11/19/2001

17. If a CONTINUING APPLICATION, *check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:*

☐ Continuation ☒ Divisional ☐ Continuation-in-Part (CIP) of prior application No: 09/224,110, filed March 31, 1998

Prior application information: *Examiner:* Tung, J. *Group/Art Unit:* 1656

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

☒ ***Customer Number or Bar Code Label*** 22195 *or* ☐ ***Correspondence address below***

NAME			
ADDRESS		*STATE*	*ZIP CODE*
CITY		*TELEPHONE*	*FAX*
COUNTRY		*Registration No. (Attorney/Agent)*	41,119
NAME (Print/Type)	Jonathan L. Klein	*Date*	11/19/01
SIGNATURE	Jonathan L. Klein		

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

PTO/SB/17 (10-01)
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FEE TRANSMITTAL for FY 2002

Patent fees are subject to annual revision.

Total amount of payment	$3,866.00

Complete if Known	
Application Number	Unassigned
Filing Date	Herewith
First Named-Inventor	Yu et al.
Examiner Name	Unassigned
Group Art Unit	Unassigned
Attorney Docket Number	PF160D2

METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number **08-3425**

Deposit Account Name **Human Genome Sciences, Inc.**

☒ Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17

☐ Applicant claims small entity status. See 37 CFR 1.27

2. ☐ **Payment Enclosed:** ☐ Check ☐ Credit Card ☐ Money Order ☐ Other*

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	$740.00
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) **$740.00**

2. EXTRA CLAIM FEES

			Extra Claims	Fee from below	Fee Paid
Total Claims	161	-20**	141	$18.00	$2,538.00
Independent Claims	10	-3**	7	$84.00	$588.00
Multiple Dependent				$280.00	

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
108	84	209	42	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) **$3,126.00**

** *or number previously paid, if greater; For Reissues, see above*

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity Fee Code	Large Entity Fee ($)	Small Entity Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for *ex parte* reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use hearing	
140	110	240	55	Petition to revive - unavoidable	
141	1,280	241	640	Petition to revive - unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Statement	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
145	100	145	100	Certificate of correction	
148	110	248	55	Statutory disclaimer	
561	3	561	3	Printed copy of patent, regular service	
				Other fee (specify):	
				Other fee (specify):	

* Reduced by Basic Filing Fee Paid

SUBTOTAL (3) **$0.00**

Complete *(if applicable)*

Submitted By		
Name *(Print/Type)* Jonathan L. Klein	Registration No.: 41,119	Telephone: (301) 251-6015
Signature: Jonathan Klein		Date: 11/19/01

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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Group Art Unit: Unassigned

Examiner: Unassigned

REQUEST UNDER 37 C.F.R. § 1.821(e)

Commissioner for Patents
Washington, D.C. 20231

Sir :

The above-identified patent application is a divisional of Application Serial No. 09/224,110, filed March 31, 1998, which is a divisional of Application No. 08/469,667, filed June 6, 1995. The sequence listing of the instant application is identical to the sequence content of the computer readable sequence listing previously filed in connection with Application Serial No. 08/469,667.

In accordance with 37 C.F.R. § 1.821(e), please use the computer readable form filed in connection with Application Serial No. 08/469,667 as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the computer readable form that will be used for the instant application. A paper copy of the Sequence Listing is included in the specification of the instant application by way of Preliminary Amendment filed herewith. Applicants hereby certify that the paper copy of the Sequence Listing filed herewith and the computer readable sequence listing previously filed in connection with Application Serial No. 08/469,667 are the same and do not include new matter.

Respectfully submitted,

Date: November 19, 2001

Jonathan L. Klein Reg. No. 41,119
Attorney for Applicants

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Rockville, MD 20850
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